

FIG. 8: Diagram of the cDNA subclone HvSD from the λ -ZAP-II library.

DETAILED DESCRIPTION OF THE INVENTION--

Page 6, delete diagram located between lines 30 and 35.

Delete the sequence listing on pages 28-32 of the specification and substitute replacement pages 1-8 attached hereto, to be placed at the end of the specification.

IN THE DRAWINGS

Amend Figs. 1-7 and add Fig. 8 as shown on the pages attached to the enclosed LETTER TO THE DRAFTSPERSON (clean and marked in red).

IN THE CLAIMS

Cancel claims 18-24.

Amend claims 1-14 and add new claim 25 as follows:

1. (amended) An isolated DNA sequence encoding barley HPPD.
2. (amended) An expression cassette comprising a promoter and the DNA sequence as claimed in claim 1.
3. (amended) An expression cassette as claimed in claim 2, comprising a CaMV 35S promoter.
4. (amended) An expression cassette as claimed in claim 2, comprising a seed-specific phaseolin promoter.

5. (amended) An expression cassette as claimed in claim 2, further comprising the DNA sequence as claimed in claim 1 being functionally linked to another protein in such a way that a joint translation product is formed.

6. (amended) A process for transforming plants comprising the step of incorporating into plants the expression cassette as claimed in claim 2.

7. (amended) A method of transforming a plant, which comprises introducing the expression cassette as claimed in claim 2 into a plant cell, into callus tissue, into an entire plant or into plant cell protoplasts.

8. (amended) A method of transforming plants, which comprises

- 1) transferring the expression cassette as claimed in claim 2 into an agrobacterial strain,
- 2) isolating the recombinant clones formed, and
- 3) transforming a plant with the isolated recombinant clones.

9. (amended) The method as claimed in claim 8, the transformation being accomplished with the aid of the strain *Agrobacterium tumefaciens*.

10. (amended) The method of transforming plants as claimed in claim 7, wherein the transformation is accomplished with the aid of electroporation.

11. (amended) The method of transforming plants as claimed in claim 7, wherein the transformation is accomplished with the aid of the particle bombardment method.

12. (amended) A plant with an elevated vitamin E content, comprising the expression cassette as claimed in claim 2.

13. (amended) The plant as claimed in claim 12, selected from the group

consisting of soya, barley, oat, wheat, oilseed rape, maize, and sunflower.

DS 14. (amended) A method of generating plants with an elevated vitamin E content, which comprises expressing, in plants, the DNA sequence as claimed in claim

1.

Dle 25. (new) An isolated DNA sequence as claimed in claim 1, comprising the sequence SEQ ID NO: 1.
